

Recombinant Human PCDHB16

Catalog No: #GP10892



Package Size: #GP10892-1 100ug

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	Recombinant Human PCDHB16
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 29-300 amino acids of human protocadherin beta 16
Target Name	protocadherin beta 16
Other Names	ME1; PCDH3X; PCDHB8a; PCDH-BETA16
Accession No.	Swissprot:Q9NRJ7 Gene Accession:BC036062
Uniprot	Q9NRJ7
GeneID	57717;
Storage	-20~-80°C, pH 7.6 PBS

Background

This gene is a member of the protocadherin beta gene cluster, one of three related gene clusters tandemly linked on chromosome five. The gene clusters demonstrate an unusual genomic organization similar to that of B-cell and T-cell receptor gene clusters. The beta cluster contains 16 genes and 3 pseudogenes, each encoding 6 extracellular cadherin domains and a cytoplasmic tail that deviates from others in the cadherin superfamily. The extracellular domains interact in a homophilic manner to specify differential cell-cell connections. Unlike the alpha and gamma clusters, the transcripts from these genes are made up of only one large exon, not sharing common 3' exons as expected. These neural cadherin-like cell adhesion proteins are integral plasma membrane proteins. Their specific functions are unknown but they most likely play a critical role in the establishment and function of specific cell-cell neural connections.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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